

**MACHINE TRANSLATION OF
JAPANESE UNEXAMINED PATENT
PUBLICATION (KOKAI) No. 11-222272**

NOTICES *

**JPO and INPIT are not responsible for any
damages caused by the use of this translation.**

1. This document has been translated by computer. So the translation may not reflect the original precisely.
2. **** shows the word which can not be translated.
3. In the drawings, any words are not translated.

CLAIMS

[Claim(s)]

[Claim 1]

A discharge opening which attaches an application body around the circumference is formed in a discharge part established in an end of a package body which accommodates a fluid paste, Cover the above-mentioned discharge part with a cap, provide an inner cap screwed to a thread part of a discharge part in the above-mentioned cap, and to an inner cap. A fluid paste container which constitutes a building envelope where an inner bottom and an application body do not contact between an inner bottom of an inner cap, and an application body when the periphery of a root part of a discharge part contacts the above-mentioned inner cap at the time of engagement of a locking groove and a protruding edge while having a closure projection which blockades a discharge opening.

DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Field of the Invention]

This invention relates to the fluid paste container which protects the tip of the application body which applies the fluid paste accommodated in a package body.

[0002]

[Description of the Prior Art]

Conventionally the paste container which applies the fluid paste accommodated in a package body, In applying the fluid paste which shall form a part of lid with which it is equipped at the tip of a

package body which consists of elastic bodies, such as a synthetic resin, with osmosis objects, such as sponge, and accommodates it in the above-mentioned package body, It leaches outside from osmosis objects, such as sponge equipped with the fluid paste accommodated in the above-mentioned package body by applying a pressure and making it reversed to a package body at the tip of a package body, and what is performed by making it spread with the above-mentioned osmosis object is common.

[0003]

[Problem(s) to be Solved by the Invention]

However, a part of lid with which it is equipped at the tip of a package body is formed with osmosis objects, such as sponge, like the above-mentioned conventional thing, If it is in some which you leach the fluid paste in a package body to the exterior through this osmosis object, and make it spread, and perform spreading activities, Since the osmosis object which makes the fluid paste accommodated in a package body leach and spread has constant width and a path, when the width or area which applies this fluid paste shall be remarkably different, By making a coated material adhere or spread the fluid paste leached to the exterior through the osmosis object, It spread more than the portion for which this fluid paste made to adhere needs spreading, and was applied even to the range which does not need spreading of a fluid paste, and there was a problem which causes the corruption to unnecessary adhesion, clothes, etc. with the fluid paste which spread in this way.

[0004]

Therefore, the discharge part which makes the fluid paste accommodated in a package body breathe out is formed, and what is made into rectangular shape so that it shall have a discharge opening which attaches the application body for making a fluid paste spread and can fully respond to the spreading scene of a fluid paste is proposed. However, since the thing which makes the fluid paste accommodated in a package body in the discharge part of the above-mentioned package body breathe out is a discharge opening of a narrow diameter, even if it covers the above-mentioned discharge part with a cap after use, A break through of a fluid paste occurs by wearing of the cap with a fluid paste insufficient in carrying out dry solidification breathed out too much in this cap, and it is easy to generate not only a package body but a user's body, or the corruption to clothes. A package body revolves, fall from a desk and a break through of the fluid paste by omission of a cap is prevented, What makes the cap which covers the discharge part of a package body rectangular parallelepiped shape (JP,H7-205596,A) is proposed in order to make easy the regurgitation which is in charge of use of the next time of the fluid paste accommodated in a package body and to lay the container itself vertically. However, the immobilization to the package body of a cap is fitting engagement, and is

insufficient, moreover, in engagement of a cap, spreading rubber is crashed with a cap, it is damaged, and there is a possibility of becoming spreading impossible.

[0005]

Then, this invention improves the problem which the above-mentioned conventional thing has, and enables it to apply a fluid paste simply and correctly according to the width or area of an application portion, and it tends to prevent breakage of the application body of the discharge part by wearing of a cap.

[0006]

[Means for Solving the Problem]

To therefore, a discharge part established in an end of a package body which accommodates a fluid paste. Form a discharge opening which attaches an application body around the circumference, cover the above-mentioned discharge part with a cap, provide in a cap an inner cap screwed to a thread part of a discharge part, and to this inner cap. While having a closure projection which blockades the above-mentioned discharge opening, when a root part of a discharge part contacts the above-mentioned inner cap at the time of engagement of a locking groove and a protruding edge, a building envelope which does not carry out both contact between an inner bottom of an inner cap and an application body is constituted.

[0007]

[Embodiment of the Invention]

Fit in into an inner cap, blockading a discharge opening by making a closure projection the discharge part which an inner cap is installed in implementation of this invention in the cap with which a discharge part is equipped, and is formed in a package body fit in, and. Since it screws to the thread part of a discharge part and has a building envelope where a cap does not touch between cap inner bottom application bodies at the time of wearing in both persons, if it reaches to the position with which the locking groove of the protruding edge of a cap and the root part of a discharge part engages, An inner cap open end edge and the periphery of a root part of the above-mentioned discharge part contact, the screwing is stopped, a building envelope is constituted, and the tip of an application part does not receive damage by a cap inner bottom. By constituting so that the protruding edge allocated in shaft orientations in the internal surface of this cap may engage with the locking groove which protrudes in the root part of the above-mentioned discharge part, and being equipped with a cap with a certain direction to a package body, Covering of a cap to the discharge part of a package body is ensured, and dry solidification of the fluid paste accommodated in a package body or the break through to the exterior can be prevented.

[0008]

[Example]

Working example shown in a figure explains this invention further. Although it is a fluid paste container which has an application body from which this working example has a discharge opening in both ends, and shape differs, it is not the requirements for this invention to have a discharge part to both ends. Drawing 1 and (1) in drawing 2 are fluid paste containers made of a synthetic resin which are working example of this invention, and this fluid paste container (1), the transparent or translucent paste package body (2) which is an abbreviated rectangular parallelepiped which accommodates a fluid paste (3) in the inside -- (it is called the following "package body".). Provided in the both ends of this package body (2), from the discharge part (4) and (5) which made that periphery the thread part (6), it becomes, one side has a discharge part (4) which forms the discharge opening (7) of a narrow diameter, and another side has discharge parts (5), such as a synthetic resin which drills the discharge opening (7') which attaches an application body (8) around the circumference. In covering both the above-mentioned discharge parts (4) and (5), it screws to the thread part (6) of a discharge part (4) and (5), and the inner cap (11) which allocates the closure projection (12) which blockades the above-mentioned discharge opening (7) and (7') is installed inside the cap (9) and (10). Making into the shape of a spindle shape the discharge part (4) which drills the discharge opening (7) of one narrow diameter, another side becomes as a discharge part (5) of the rectangular shape which drills the discharge opening (7') which attaches an application body (8) around the circumference. the spatula which only attaches an application body (8) -- the elastic flake of ** may be sufficient and it may constitute from a discharge part (4) and a serrate lobe of one. The extravasation by expansion of the fluid paste in a container can also be prevented by considering it as what can change screwing of a thread part (6) and a female screw portion (6') into a **** state, and can be aerated.

[0009]

And in the internal surface (13) of the cap (9) which installs the inner cap (11) fitted in to the discharge part (4) established in the both ends of the above-mentioned package body (2), and (5), and (10), Allocate a protruding edge (14) in the shaft orientations of a package body (2), and in the root part (21) of the discharge part (4) established in the both ends of a package body (2), and (5) with screwing of the above-mentioned cap (9) and (10). The locking groove (15) where the protruding edge (14) allocated in shaft orientations in the internal surface (13) of this cap (9) and (10) is engaged is provided.

[0010]

Since the fluid paste container (1) which is working example of this invention is provided with the above composition, In equipping with the cap (9) and (10) to the discharge part (4) formed in the both

ends of the package body (2) which constitutes a fluid paste container (1), and (5), In the cap (9) with which these discharge parts (4) and (5) are equipped, and (10), it is respectively inscribed in the inner cap (11), and. A protruding edge (14) is allocated in the shaft orientations of a package body (2) in the internal surface (13) of a cap (9) and (10), and the locking groove (15) which engages with this protruding edge (14) further protrudes in the root part (21) of the discharge part (4) formed in the both ends of the above-mentioned package body (2), and (5). Therefore, the discharge part (4) and (5) formed in the both ends of a package body (2) is received in this cap (9) and (10), Fit in into the inner cap (11) which blockades the discharge opening (7) which has a tip of a discharge part at the tip by fitting in the closure projection (12) of the inner bottom (19) of an inner cap (11), and is installed in a cap (9) and (10), and. The protruding edge (14) allocated in the shaft orientations of a package body (2) in the internal surface (13) of a cap (9) and (10) by screwing to the thread part (6) of the periphery of the above-mentioned discharge part (4) and (5) engages with the locking groove (15) provided in the root part of the above-mentioned discharge part (4) and (5). The open end edge of the above-mentioned inner cap (11) contacts the inclined plane (20) which forms the periphery of the root part (21) edge of a discharge part (5), It will be correctly equipped with the cap (9) and (10) to the discharge part (4) always formed in a package body (2) (2), i.e., a package body, and (5), Covering of the cap (9) and (10) to the discharge part (4) of a package body (2) and (5) is ensured, and desiccation of the fluid paste (3) accommodated in a package body (2), solidification, or the break through to the exterior can fully be prevented.

[0011]

What is shown in drawing 3 is an expansion part sectional view of a package body (2) and a cap (10) which constitutes the paste container (1) which is working example of this invention. The discharge part (5) which has a discharge opening (7') at the tip of a package body (2) is equipped with a cap (10). The female screw portion (6') of an inner cap (11) wall screws to the thread part (6) of the periphery of a discharge part (5) provided in the above-mentioned package body (2), The discharge opening (7') which carries out the regurgitation of the fluid paste (3) in the container drilled at the tip of the above-mentioned discharge part (5) is blockaded by closure projection (12), and this closure projection (12) is countered and provided in the bottom of the inner cap (11) of a cap (10) at a discharge opening (7').

[0012]

The application body (8) of a rectangle with flexible discharge part (5), one, or different body is formed in the circumference of an open end of this discharge opening (7'), and the fluid paste which

carries out the regurgitation from a package body (2) is made to laminate on space etc. as a paste film of definite shape. It is as aforementioned that it is good as for a serrate thing in an application body (8). Since a building envelope (16) is formed between them when the origin part (21) of the open end edge of an inner cap (11) and a discharge part (5) moreover contacts and carries out the tegmentum of the inner cap (11) so that the inner bottom (19) and tip of an application body (8) may not touch on a discharge part (5), It can protect so that press breakage of the tip of an application body (8) may not be carried out according to the inner bottom (19) of an inner cap (11). The top (17) outside surface of a cap (10) can be laid on a desk according to this flat face (18) as a flat face (18).

[0013]

And (refer to drawing 3 and drawing 4), [the protruding edge (14) allocated in shaft orientations in the internal surface (13) of the above-mentioned cap (10), and] The cap (10) which covers the discharge part (5) of a package body from engagement to the locking groove (15) established in the root part (21) of the discharge part (5) of a package body (2), This opening can be closed in contact with the inclined plane (20) which the edge of that inner cap (11) forms in the periphery of the root part (21) of a discharge part (5), and desiccation of the fluid paste (3) accommodated in a package body (2), solidification, or the break through to the exterior can be prevented certainly. This inclined plane (20) may contact without providing in the open end edge of an inner cap (11), and only forming an inclined plane in all, as shown in drawing 2. Also when the hole which is in and abroad open for free passage is accidentally provided and understood in the crowning of a cap (9) and (10), it can be considered as what is called a safety cap that can avoid suffocation.

[0014]

[Effect of the Invention]

Covering of a cap to the discharge part formed is ensured as above, By inserting in a cap tightly, desiccation of the fluid paste accommodated in a package body, solidification or the break through to the exterior, and breakage of an application part can be prevented certainly, and it has the outstanding effect which can improve the usefulness of fluid paste container use remarkably for a user.

DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1] It is a front view of the paste container which is working example of this invention.

[Drawing 2] It is a partial sectional view of the paste container

which is working example of this invention.

[Drawing 3]It is an important section expanded sectional view of the paste container in working example of this invention.

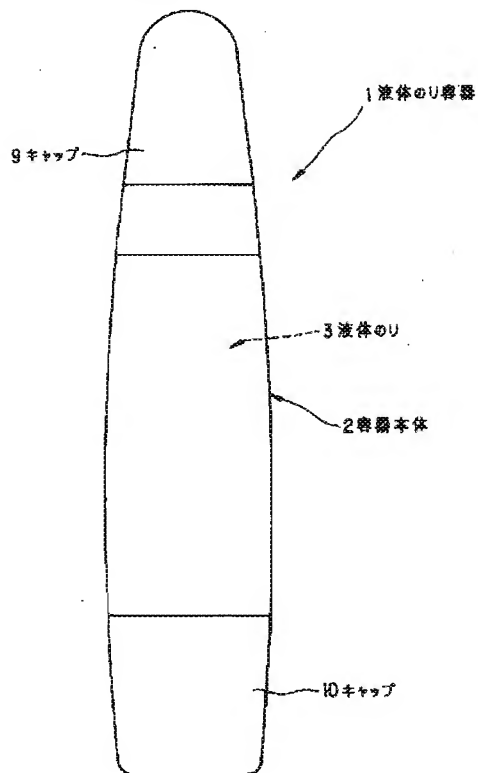
[Drawing 4]It is an A-A cross-sectional view of drawing 3.

[Description of Notations]

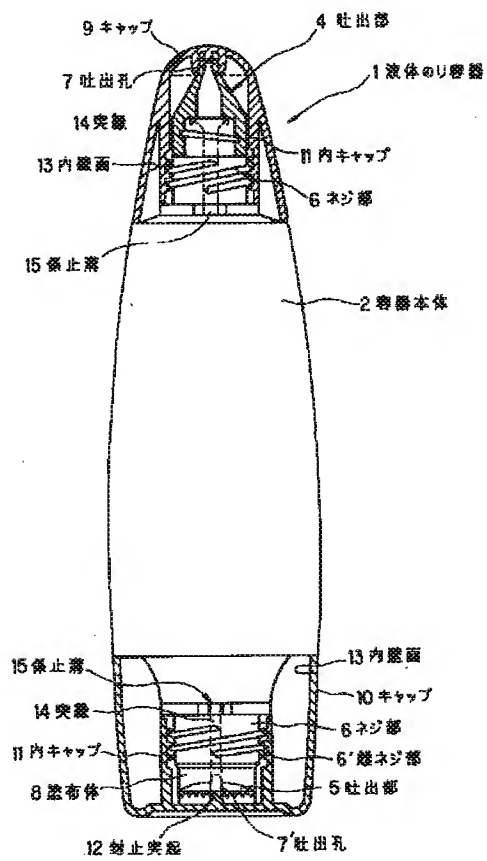
- 1 Paste container
- 2 Package body
- 3 Fluid paste
- 4 and 5 Discharge part
- 6 Thread part
- 6' female screw portion
- 7 and 7' discharge opening
- 8 Application body
- 9 and 10 Cap
- 11 Inner cap
- 12 Closure projection
- 13 (Cap) Internal surface
- 14 Protruding edge
- 15 Locking groove
- 16 Building envelope
- 17 Cap crowning
- 18 Flat part
- 19 The inner bottom of a cap
- 20 Discharge part
- 21 Root part

DRAWINGS

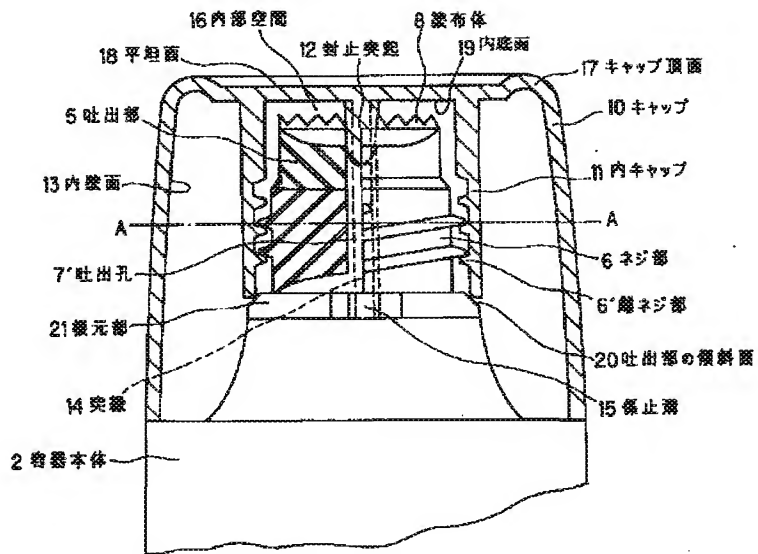
[Drawing 1]



[Drawing 2]



[Drawing 3]



[Drawing 4]

